REMARKS/ARGUMENTS

Favorable reconsideration of this application, as presently amended and in light of the following discussion, is respectfully requested.

Claims 3-20 are pending in the application. Claims 6-19 are withdrawn; and Claims 3-5 and 20 are amended by the present amendment. Support for amended Claims 3-5 and 20 can be found in the original specification, claims and drawings.[1] No new matter is presented.

In the outstanding Official Action, the title and the abstract were objected to because of minor informalities; the drawings were objected to for not showing every claimed feature; Claims 3-5 and 20 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description and enablement requirements; and Claims 3-5 and 20 were rejected under 35 U.S.C. § 102(e) as anticipated by Yokomizo et al. (U.S. Patent No. 6,321,266, hereinafter "Yokomizo").

In response to the objection to the title of the invention, the title is amended to recite "METHOD AND COMPUTER PROGRAM PRODUCT FOR CONTROLLING A CONFIGURATION OF A PRINTER." This new title is clearly indicative of the invention to which the claims are directed. Accordingly, Applicant respectfully request that the objection to the title be withdrawn.

In response to the objection to the abstract, the abstract is amended to be indicative of the claimed invention. Accordingly, Applicant respectfully requests that the objection to the abstract be withdrawn.

The outstanding Official Action object to the drawings as not showing every feature of the invention specified in the claims; and Claims 3-5 and 20 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description and enablement requirements. Specifically, the outstanding Official Action states that "[t]he description of

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[1] e.g., specification Figs. 2-4 and pp. 7-13.

the computer program code having a first through fifth computer code devices is not

described anywhere in the specification."[2]

Independent Claim 3 is presently amended to recite

> a computer program product comprising a computer
> storage medium and a computer program code mechanism
> embedded in the computer storage medium which when
> executed by a computer, causes a printer to perform a
> method of controlling a configuration of the printer,
> comprising:
> receiving...

Thus, independent Claim 3, as well as dependent Claims 4, 5 and 20 are amended to

omit the recitation of the first through fifth computer code devices. Instead, these claims now

recite steps performed by a "computer program product including a computer storage

medium and a computer program code mechanism embedded in the computer storage

medium which when executed by a computer, causes a printer to perform method..."

Support for the amended claims can be found, for example, at pp. 7-11 and Figs. 2 and 3 of

the specification.

The Java printer includes a computer program product (e.g., Java virtual machine,

Java processor, etc) comprising a computer storage medium ... which when executed by a

computer causes a printer to perform a method of controlling a configuration of the printer,

comprising receiving a request for a printer control interface (e.g., p. 8), sending the printer

control interface to a remote computer (e.g., pp. 8-9), receiving a series of printer control

parameters in response to sending the printer control interface (e.g., p. 9) and updating a

control memory of the printer based on the series of printer control parameters (e.g., p 10).

Accordingly, as discussed above, the drawings show every feature of the amended

claims, and the subject matter of the amended claims is described in the specification in such

a way as to reasonably convey to one skilled in the relevant art that the inventors, at the time

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[2] Outstanding Official Action, p. 4.

the invention was filed, had possession of the claimed invention, and to enable one skilled in

the art to which it pertains, or to which it is most nearly connected, to make and/or use the

invention.

Accordingly, Applicant respectfully requests that the objection to the drawings and

the rejection of Claims 3-5 and 20 under 35 U.S.C. § 112, first paragraph, be withdrawn.

Claims 3-5 and 20 were rejected under 35 U.S.C. § 102(e) as anticipated by

Yokomizo. Applicant respectfully submits that amended independent Claim 3 recites

features clearly not taught or rendered obvious by Yokomizo.

As discussed above, independent Claim 3 relates to a computer program product,

which causes a printer to perform a method of controlling a configuration of the printer,

comprising:

> ...receiving a request for a printer control interface;
> sending the printer control interface to a remote computer;
> receiving a series of printer control parameters in response
> to sending the printer control interface; and
> updating a control memory of the printer based on the
> series of printer control parameters.

Turning to the applied reference, Yokomizo describes an input/output apparatus

connected to a plurality of host computers via a network, which generates image data from

data input from a first host computer and prints the generated image data, and outputs

scanned image data to a second host computers in response to a request command.[3] As a

result, the input/output apparatus may operate in coordination with a plurality of personal

computers by using the network to transfer image data therebetween.

Yokomizo, however, fails to teach or suggest various features recited in amended

independent Claim 3.

Specifically, amended independent Claim 3 recites *"receiving a request for a printer*

control interface." Such an interface is depicted, for example, at Fig. 3 of the present

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[3] Yokomizo, Abstract.

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specification, and is a visual *interface*. In addressing this claimed feature, the outstanding

Official Action relies on col. 1, lines 44-52 and col. 7, line 66 – col. 71, line 5 of <u>Yokomizo</u>.

The cited portion of <u>Yokomizo</u>, however, describes a multilayer networking topology used

for communications between the input/output device and the host computers. <u>Yokomizo</u> also

describes that control software in the printer includes a protocol configured to exchange print

job data (e.g., data file) with the printer server. At no point, however, does <u>Yokomizo</u> teach

or suggest receiving a request for a print to control *interface*, as recited in amended

independent Claim 3.

Amended independent Claim 3 further recites "*sending the printer control interface

to a remote computer*." In addressing this claimed feature, the outstanding Official Action

further cites col. 32, lines 36-67 and col. 38, lines 16-55 of <u>Yokomizo</u>. However, the cited

portion of <u>Yokomizo</u> describes using an application already existing in a host computer to set

print job information, and convert the data sent by the application program to a data structure

which can be accepted by the selected network server. Thus, the host computer uses an

interface from an application already included in the host computer when transmitting data to

the printer server. Therefore, <u>Yokomizo</u> fails to teach or suggest receiving a request for a

printer control interface and *sending the printer control interface to a remote computer*,

since the settings are already available in an application program included within the host

computer.

Amended independent Claim 3 also recites the feature of *updating a control memory

of the printer based on the series of printer control parameters*. <u>Yokomizo</u> fails to teach or

suggest updating a memory of the printer based on received printer control parameters,

whatsoever, much less performing an update in response to sending a printer control

interface. In addressing this feature, the outstanding Official Action relies on col. 19, lines

39-50 and col. 72, lines 34-67 of <u>Yokomizo</u>. The cited portion of <u>Yokomizo</u> describes that a
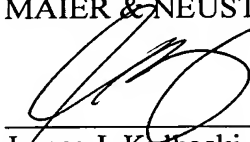
CPU of the printer interfaces with ROM, which stores initial settings for the printer device. However, at no point is this memory updated based on a *received series of printer control parameters in response to sending the printer control interface*, as recited in amended independent Claim 3. Further, col. 72 of <u>Yokomizo</u> describes a process of downloading data from a host computer to the server computer, but fails to teach or suggest updating a control memory of the printer based on printer control parameters.

Accordingly, Applicant respectfully requests that <u>Yokomizo</u> fails to teach or suggest "receiving a request for a printer control interface, sending the printer control interface to a remote computer, receiving a series of printer control parameters in response to sending the printer control interface, and updating control memory of the printer based on the series of printer control parameters", as recited in amended independent Claim 3.

Consequently, in view of the present amendment and in light of the foregoing comments, it is respectfully submitted that the invention defined by Claims 3-5 and 20 is definite and patentably distinguishing over the applied references. The present application is therefore believed to be in condition for formal allowance and an early and favorable reconsideration of the application is therefore requested.

Respectfully submitted,

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